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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/823,482	04/13/2004	William C. Fisher	2802-159-036	4955
7590 02/23/2005			EXAMINER	
Joseph J. Pophal			BOCHNA, DAVID	
PARKER-HAN	INIFIN CORPORATION			
6035 Parkland Boulevard			ART UNIT	PAPER NUMBER
Cleveland, OH 44124-4141			3679	
•			DATE MAN ED 02/22/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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(Application No.	Applicant(s)					
/	Office Action Commence	10/823,482	FISHER ET AL.	V				
\	Office Action Summary	Examiner	Art Unit					
		David E. Bochna	3679					
Period fo	The MAILING DATE of this communication or Reply	n appears on the cover sh	eet with the correspondence ad	ldress				
THE - Exte after - If the - If NO - Failt Any	ORTENED STATUTORY PERIOD FOR R MAILING DATE OF THIS COMMUNICATI nsions of time may be available under the provisions of 37 C SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, to period for reply is specified above, the maximum statutory pure to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, on. a reply within the statutory minimus eriod will apply and will expire SIX statute, cause the application to be	may a reply be timely filed n of thirty (30) days will be considered timel (6) MONTHS from the mailing date of this come ABANDONED (35 U.S.C. § 133).					
Status								
1) 🗌	Responsive to communication(s) filed on							
2a)□	☐ This action is FINAL . 2b)⊠ This action is non-final.							
3)	,—							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4)🛛	☑ Claim(s) <u>1-44</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠	Claim(s) <u>4-19 and 27-36</u> is/are allowed.							
6)⊠	Claim(s) <u>1-3,20-26,37-42 and 44</u> is/are rejected.							
•	Claim(s) <u>43</u> is/are objected to.							
8)□) Claim(s) are subject to restriction and/or election requirement.							
Applicat	ion Papers							
•	The specification is objected to by the Exa							
10)⊠	☑ The drawing(s) filed on <u>13 April 2004</u> is/are: a) ☐ accepted or b) ☑ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by the	ne Examiner. Note the at	ached Office Action or form P	ΓΟ-152.				
Priority (under 35 U.S.C. § 119							
а)	Acknowledgment is made of a claim for fo All b) Some * c) None of: 1. Certified copies of the priority documents. 2. Certified copies of the priority documents. 3. Copies of the certified copies of the application from the International Bece the attached detailed Office action for	ments have been receive ments have been receive priority documents have ureau (PCT Rule 17.2(a)	d. d in Application No been received in this National).	Stage				
Attachmer	nt(s) ce of References Cited (PTO-892)	a> □	erview Summary (PTO-413)					
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-94	8) Par	per No(s)/Mail Date					
3) Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/Ser No(s)/Mail Date		ice of Informal Patent Application (PToer:	O-152)				

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement filed 9/17/05 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because it is not proper to list the "copy of notification of transmittal of the international search report" and "the written opinion" on the IDS as those documents are not considered prior art. It has been placed in the application file, but the information referred to therein has not been considered as to the merits. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609 ¶ C(1).

Drawings

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the substantially vertically oriented sidewalls and the surface disruptions in each of the plurality of circumferential grooves recited in claims 4, 9, 11, 27, 30, 32 and 35 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement

Art Unit: 3679

sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in

Claim Rejections - 35 USC § 102

the next Office action. The objection to the drawings will not be held in abeyance.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claims 1-3, 20-26 and 44 are rejected under 35 U.S.C. 102(b) as being anticipated by Watson.

In regard to claims 1-3, 20 and 44, Watson discloses a generally tubular nipple (fig. 3)having a longitudinal axis, a first end, a second end, an outer surface with at least two circumferential grooves 27, 18 located between the first and the second ends for affixedly receiving a generally cylindrical shell 28, and a bore extending from the first end to the second end;

Art Unit: 3679

wherein the at least two circumferential grooves are dimensioned for affixedly receiving at least one of an inside surface, an end surface and an outside surface of the generally cylindrical shell 28; and

Page 4

the at least two circumferential grooves comprising:

a first groove 27 with a generally flat base portion parallel with the longitudinal axis, a first generally raidally directed sidewall, and an second generally radially directed sidewall, and

a second groove 18 adjacent the first groove, with a generally flat base portion parallel with the longitudinal axis having a diameter less than the first groove base portion, a first generally radially directed sidewall having a maximum radial extent substantially equal to the first groove second sidewall, and a second generally radially directed sidewall.

In regard to claim 21, wherein said generally cylindrical shell has a first end with an inwardly directed portion having an annular surface 32 in an abutting relationship with one of said at least two circumferential grooves for said permanent attachment.

In regard to claim 22, wherein said inwardly directed portion 32 is located at the longitudinal inner end of said generally cylindrical shell.

In regard to claim 23, wherein said inwardly directed portion 32 is located on the inside surface of said generally cylindrical shell.

In regard to claim 24, wherein said generally cylindrical shell has a first end and a second end, said first end having a turned-in portion 26 generally directed towards said second end.

In regard to claim 25, wherein the outer surface of said turned-in portion 26 is in affixed abutment with said first sidewall.

Art Unit: 3679

In regard to claim 26, wherein the inside surface 26 of said generally cylindrical shell affixedly abuts said first and said second sidewalls.

5. Claims 37-40 are rejected under 35 U.S.C. 102(e) as being anticipated by Boche.

In regard to claim 37, Boche discloses a generally tubular nipple (see fig. 2A) having a longitudinal axis, a first end, a second end, an outer surface with a series of circumferential grooves located between said first and said second ends for affixedly receiving a generally cylindrical shell, and a bore extending from said first end to said second end;

wherein said series of circumferential grooves are dimensioned for affixedly receiving at least one of an inside surface, an end surface and an outside surface of said generally cylindrical shell; and said series of grooves comprising;

a first groove 38 with a generally flat base portion parallel with said longitudinal axis, a first substantially radially directed sidewall, and a second substantially radially directed sidewall;

a second groove 33 adjacent said first groove, with a generally flat base portion parallel with said longitudinal axis having a diameter less than said first groove base portion, a first substantially radially directed sidewall, having a maximum radial extent generally equal to said first groove second sidewall, and a second substantially radially directed sidewall;

and a third groove (groove where D3 is located) adjacent said second groove, with a generally flat base portion parallel with said longitudinal axis having a diameter less than said second groove base portion, a first substantially radially directed sidewall 34, having a maximum radial extent generally equal to said second groove second sidewall, and a second substantially radially directed sidewall (sidewall of first protrusion 35).

In regard to claim 38, wherein said first groove second sidewall and said second groove second sidewall have a contoured top portion.

Application/Control Number: 10/823,482

Page 6

Art Unit: 3679

In regard to claim 39, wherein said first groove second sidewall and said second groove second sidewall have an angled top portion (sidewalls are angled at a 90 degree angle to the outside circumferential surfaces).

In regard to claim 40, further including an insert portion located between said third groove and said second end and has a plurality of spaced, circumferentially extending, frusto-conically shaped protrusions 35 on the outer surface thereof.

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. Claim 41 is rejected under 35 U.S.C. 103(a) as being unpatentable over Boche.

 Boche discloses a nipple as described above, but does not disclose that one of the protrusions is larger than the others on the nipple. However, it would have been obvious to make one of the protrusions larger because a change in the size of a prior art device is a design consideration within the skill of the art. In re Rose, 220 F.2d 459, 105 USPQ 237 (CCPA 1955).
- 8. Claim 42 is rejected under 35 U.S.C. 103(a) as being unpatentable over Boche in view of Boer et al. Boche discloses a nipple as described above that creates a safer connection with improved pull out forces, but Boche does not disclose adding surfaces disruptions to the groove.

 Boer et al. teaches supplying grooves 5 with surface disruptions 6 in order to prevent shell rotation and make a more secure connection between the nipple and cylindrical shell. Therefore it would have been obvious to a person having ordinary skill in the art at the time the invention

Application/Control Number: 10/823,482

Art Unit: 3679

was made to modify the groove of Boche to include disruptions, as taught by Boer et al., in order

to improve the connection qualities of the coupling.

Allowable Subject Matter

9. Claims 4-19 and 27-36 are allowed.

10. Claim 43 is objected to as being dependent upon a rejected base claim, but would be

allowable if rewritten in independent form including all of the limitations of the base claim and

any intervening claims.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure. Inoue et al., Fisher et al., Davis, Goebel et al., Press, Le Clair, and Mott all disclose

similar couplings common in the art.

12. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to David Bochna whose telephone number is (703) 306-9040. The

examiner can normally be reached on 8-5:30 Monday-Thursday and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Daniel P. Stodola can be reached on (703) 308-2686. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-2168.

David Bochna

Primary Examiner

Page 7

Art Unit 3679

February 17, 2005